



PCT

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress regularly to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves comparing the actual outcomes with the original objectives and goals to determine the effectiveness of the project.

- [Continued on next page]

Figure 1 is a network architecture diagram. It shows a central core network (101) connected to multiple Wide Area Networks (WANs) and Local Area Networks (LANs). The core network (101) includes a Border Element (BE) (203) and a Forwarding Element (FE) (201). The BE (203) is connected to a Shared Network Resource (210) and a Management Server (207). The FE (201) is connected to the BE (203) and the WANs (310, 320, 330). The WANs (310, 320, 330) are connected to the core network (101) and to the LANs (217). The LANs (217) are connected to the WANs (310, 320, 330) and to the core network (101). The diagram also shows a Shared Network Resource (210) and a Management Server (207) connected to the core network (101).

(57) Abstract: A system for handling denial of service attacks on behalf of a shared network resource (210). A request processing component (201) deployed within a network, the request processing component (201) having an interface configured to receive requests on behalf of the shared network resource. A rate control component coupled to the request processing component, the rate control component comprising program and data structures operable to selectively forward received requests to the shared network resource at a rate selected to prevent the shared network resource from crashing or becoming undesirably busy. Preferably, the system includes a denial of service attack detection component coupled to the request processing component and the rate control component and operable to monitor request metrics from the request processing component and provide configuration information to the rate control component.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PC1/US 01/12313

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04L29/06 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 006 264 A (NAIR RAJ KRISHNAN ET AL) 21 December 1999 (1999-12-21) column 3, line 29-52 column 8, line 34-67 -----	1,7,14

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6006264	A	21-12-1999	AU 8373298 A	22-02-1999
			WO 9906913 A1	11-02-1999
